AKCS

PassIcon SecUsb 1.0.0.1

Windows XP/Vista/7 Software

(주)에이케이씨에스 AKCS Absolute Kilo Certain Security

PASS ICON

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AKCS PassIcon

powerful and safe authentication system

What is PassIcon?

With the current way to password system, it is easy to figure out someone's password by looking when he/she enters the password. Also, even though entered password is encrypted, it uses network to send its values, enabling hackers to retrieve the password.
To overcome this weakness of traditional password system, PassIcon was developed using graphical password system. PassIcon uses pass-route so the users can feel safe even if someone is watching you entering password. When using mouse pointers, depending on your starting position, users not only can use the assigned icons but also icons around them. Users just have to apply same distance from the assigned icons. Not only that, PassIcon is 100% safe from hacking methods such as sniffing because PassIcon sends only the shuffled coordinates on network.
PassIcon is a stable security solution for both the users and the service providers.

PassIcon is the perfect replacement for personal authentication system.

When users enter their passwords, hackers have no way of knowing it. It is the most efficient and secure system

- not possible to know when peeking
- even someone sees PassIcon map, cannot guess PassIcon key
- cannot hack using keyboard strokes
- even with network sniffing only the meaningless one time coordinates are seen
- entered values are meaningless relational coordinates
- anti-key logger was added to block stealing entered value
- provide random map every time. Thus, it becomes meaningless even stolen.

contents

chapter 1- Starting PassIcon SecUsb **4**

system requirements 4

customer support 4

PassIcon introduction 4

PassIcon logic and characteristics 5

chapter 2- PassIcon SecUsb installation **7**

installing PassIcon SecUsb 7

PassIcon SecUsb latest version update 9

Uninstalling PassIcon SecUsb 10

chapter 3- PassIcon SecUsb execution **11**

how to activate PassIcon SecUsb 11

how to deactivate PassIcon SecUsb 12

chapter 4- changing PassIcon **13**

PassIcon changing process 13

points to consider when changing PassIcon 14

chapter 5- moving and deleting files **15**

chapter 6 - customer support and other information **17**

AKCS PassIcon customer service website 17

comparison statistics 18

chapter 1 - Starting PassIcon SecUsb

it is recommended that users read all articles and manual from PassIcon website(www.PassIcon.com) before using AKCS PassIcon SecUsb.

This manual contains functions, installation and un-installation information of AKCS PassIcon SecUsb. It was intended to help PassIcon users.

All program, documentation, and images are AKCS's property. You may not alter, reproduce or resell without the permission from AKCS.

System requirement

system requirement for PassIcon SecUsb

- operating system: windows XP, vista, 7 (32/64 bit)
- USB file system: FAT32
- USB memory: minimum 512MB

program execution speed may differ depending on your system.

Updates will be done automatically when connected to the internet.

Customer support

if you have any questions or inquiries, use bulletin board from AKCS homepage or contact us to below addresses

homepage:http://www.PassIcon.com
email: help@PassIcon.co.kr
phone:02-2103-5131

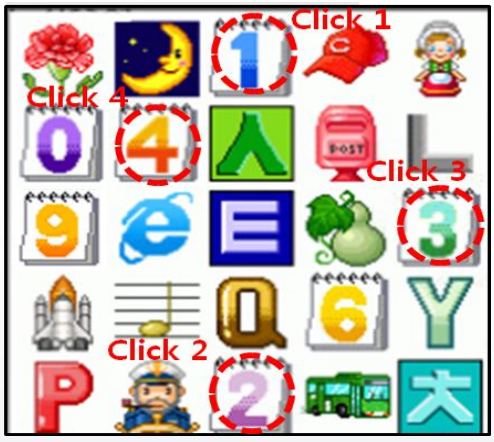
PassIcon Introduction

PassIcon is the "21st century password" using "image (graphic) icon" to meet the today's high security standard. PassIcon provides high security and protects from many harmful hacking. It is a new personal authentication solution.

PassIcon logic and characteristics

1. Click PassIcons

Users can use not only the original PassIcon but also moved PassIcons (maintaining same coordinate distance). Only users know the starting and the end points, so it is safe from others watching it. The combination uses 25 icons.



[can be login]

Users click assigned icons in order.

2. Move and click PassIco

[can be login]

When you feel unsafe, move some distance from the selected PassIcon and click in order (apply same distance rule for every icons)

3. Log in attempt by others

when others try to log in using users previous coordinates, it is not possible to do so because every time the icon map is shuffled. It is safe from key stroke hacking since PassIcon uses mouse clicks.

Non authorized users cannot log in.

4. PassIcon password examples.

	snake loves frogs
	smoking and drinking kills you
	beer and fried chicken are good
	using first letters (Boat Hill Sleep) BHS
	ladies loves jewels

First, create a phrase that you can remember and create safe PassIcon key(password) using number/letter/images. It is important to think of the phrase that is meaningful and memorable and above example shows how to select PassIcon keys

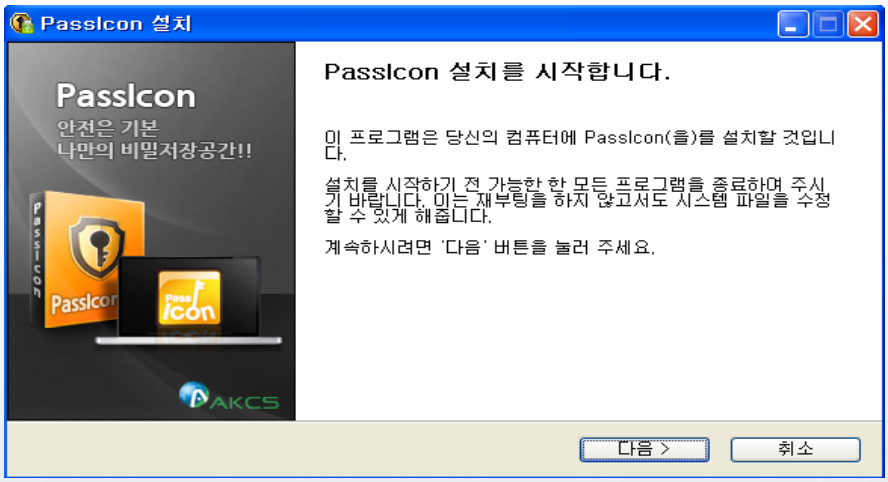
chapter 2 PassIcon SecUsb installation

In this second chapter, PassIcon SecUsb program installation process is explained.
You can download PassIcon SecUsb program installation file from AKCS's download site (www.PassIcon.com).

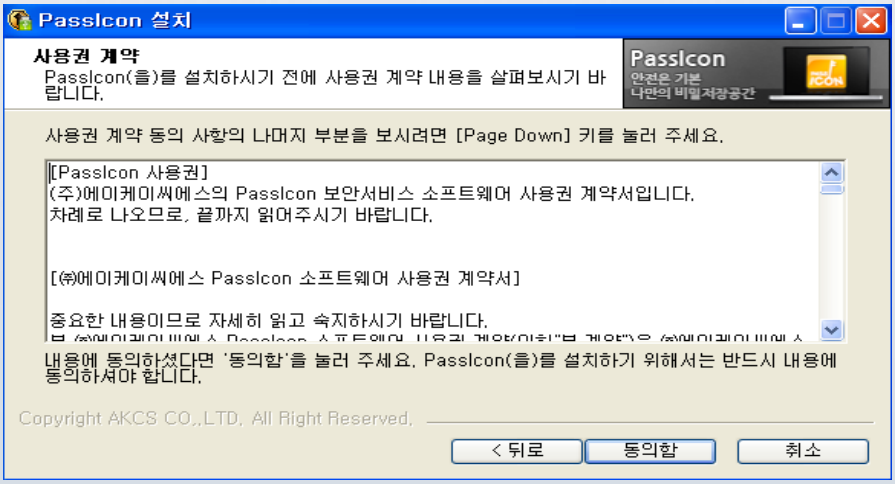
First, close all other program before installing PassIcon SecUsb

PassIcon SecUsb installation

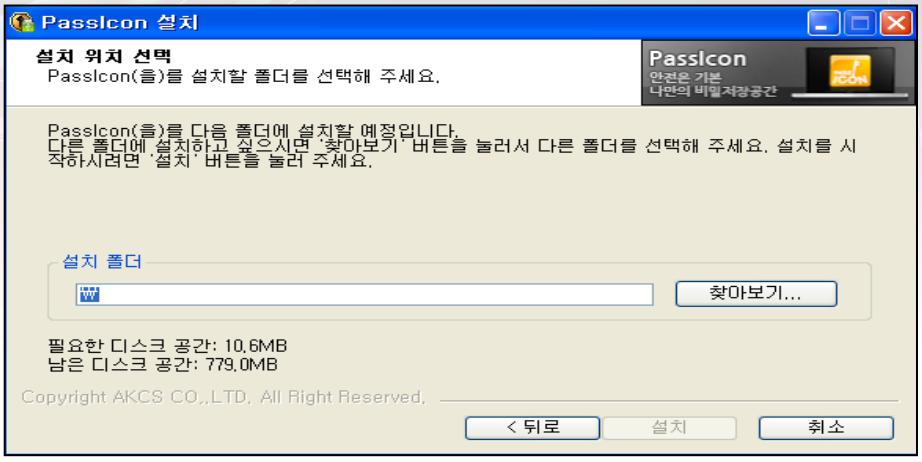
Run installation file and click [next] when you see this installation wizard



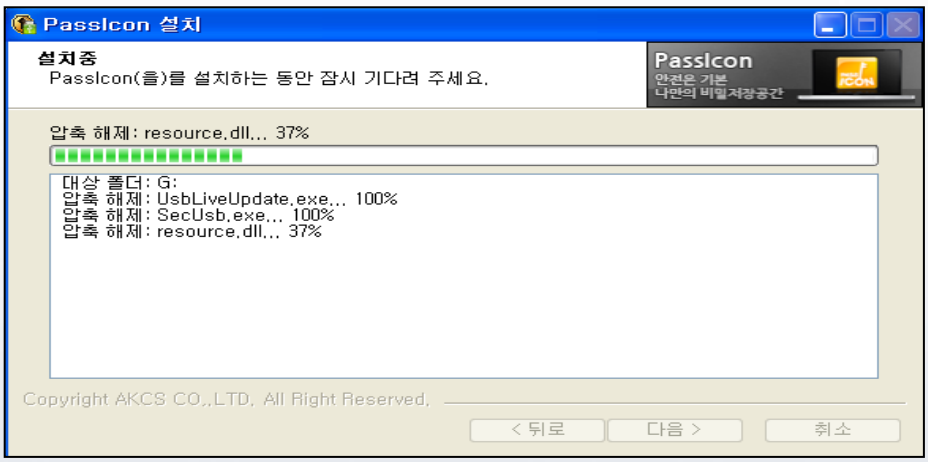
Click [agree] button after you read the documentation



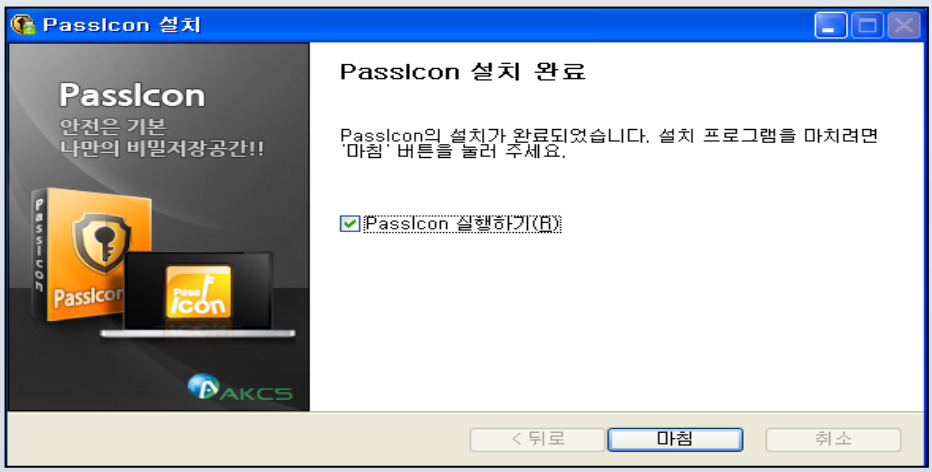
Connect the USB to your computer and click [browse] to find your USB. Click [select]. Installation will start



After successfully decompressing files, PassIcon SecUsb is installed on selected folder



When finished, press [done] and run PassIcon SecUsb program



PassIcon SecUsb latest version update.

PassIcon SecUsb product releases new versions regularly to maintain optimal performance and improved functionality. To update the product, click [yes] button as shown in below picture

if your computer is connected to the internet, the update will be processed as shown in below picture. When done, click [ok].

PassIcon SecUsb un-installation

To uninstall PassIcon SecUsb, follow these steps

1) If you want to uninstall PassIcon USB, backup your files from USB secure folder and memory to other computer and other USB memory card.

2) After finishing backup process, format the USB memory PassIcon SecUsb was installed on

3) When formatting is finished, the program is successfully removed.

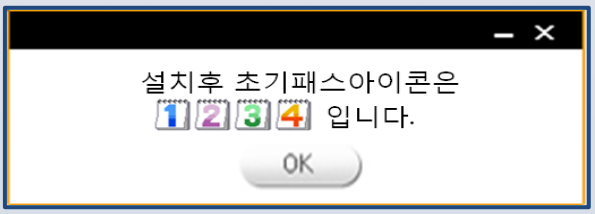
chapter 3. Executing PassIcon SecUsb

How to execute PassIcon SecUsb

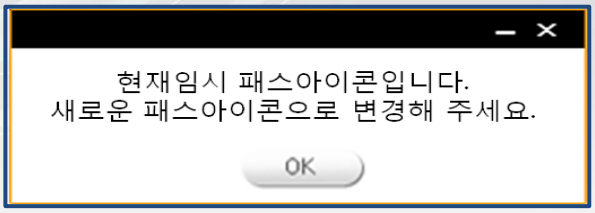
In this chapter 3, we will explain how to execute PassIcon USB after installation

Run SecUsb.exe from PassIcon USB folder. You will see the main page like below

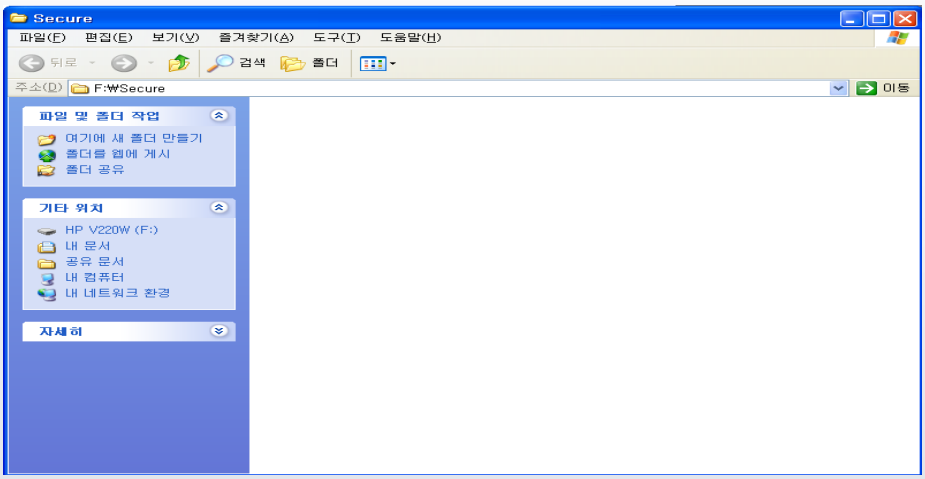
For the first time use, the default password is set to 1 2 3 4 If you do not select other password the default password will be kept.



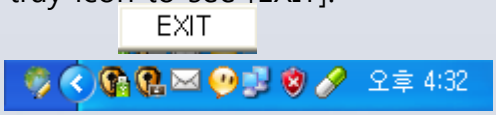
A pop-up message will be shown, to remind users that they have not changed their own password yet.



To log in from PassIcon's main page.
1) As you click your PassIcons, a black button will become yellow buttons, indicating how many icons you clicked.
2) When users successfully entered 4 PassIcons and passed the authentication process, "access granted" message will be shown.
3) When failed to entered the correct PassIcons, the icon map will shuffle and "log in failed, please try again" message will be shown.
4) After successful authentication process, click [ok] button. Now users can see PassIcon USB secure folder.



Users can click minimize button from the window to move it to system tray icons. Double-click to run PassIcon SecUsb program. Right-click on system tray icon to see [EXIT].



Click [EXIT] to close the program

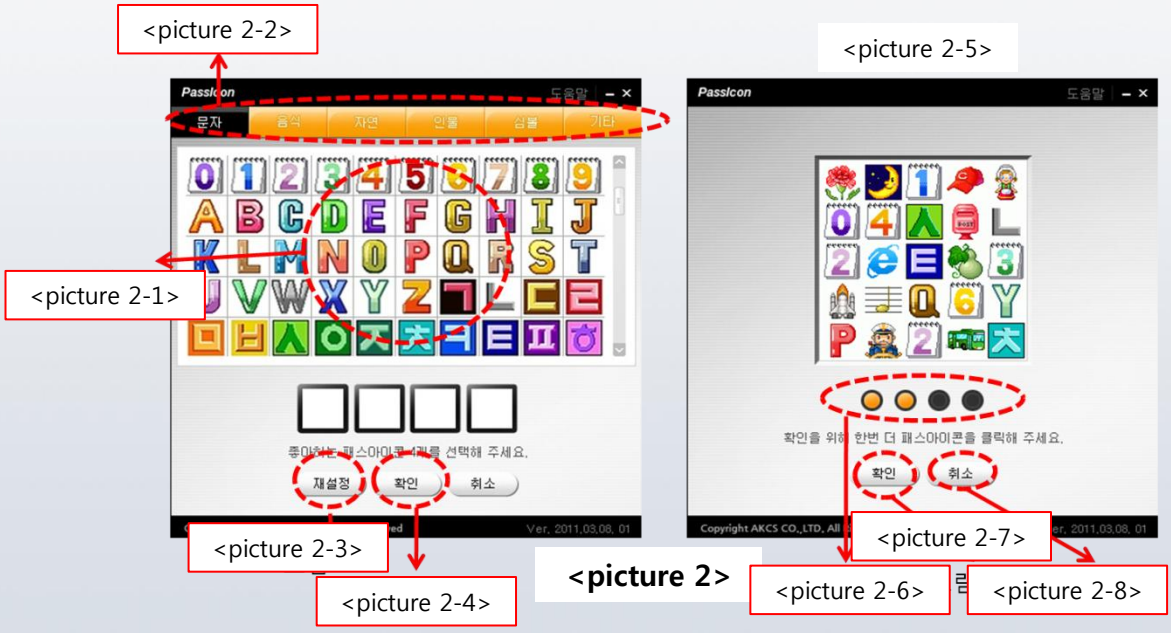
chapter 4 Changing PassIcon

Changing PassIcon steps

After successful log in, click [change icons] button from PassIcon SecUsb main screen. <picture1>

<picture1>

users will see PassIcon change screen like below <picture2>



<picture 2>

1. Choose category and icons (picture 2-1, picture 2-2)
   if your wanted icons is not in the list, move the scroll bar to see more icons.

2. If you do not like what you have chosen, click [reset] button to reset the icons. (picture 2-3)
3. Choose and click new icons then click [ok] button. (Picture 2-4)
4. Confirm your choice (picture 2-5)
during confirming screen, you will not see your icons and when you enter your icons, the color will change.
5. Finish PassIcon change process by clicking [ok] button. (Picture 2-7)
6. You can cancel your change by clicking [cancel] button before confirming (picture 2-8)

Points to consider when changing PassIcon

As mentioned in chapter 1 "starting PassIcon SecUsb", first thing to do before creating PassIcon key (password) should be creating your own phrase that is easy to remember. then you have to mix icons to symbolize the phrase. To create a perfect PassIcon, just like text password environment there are few patterns you should avoid.

Following list is our recommendations and points to consider when creating your PassIcon

1. Create your PassIcon phrase password using numbers, text and images adequately. avoid using only numbers and texts.

2. Change your password regularly to avoid possible password leak it is impossible to hack PassIcon. Here, we mean possibility of leaking your password from memos and from your friends.

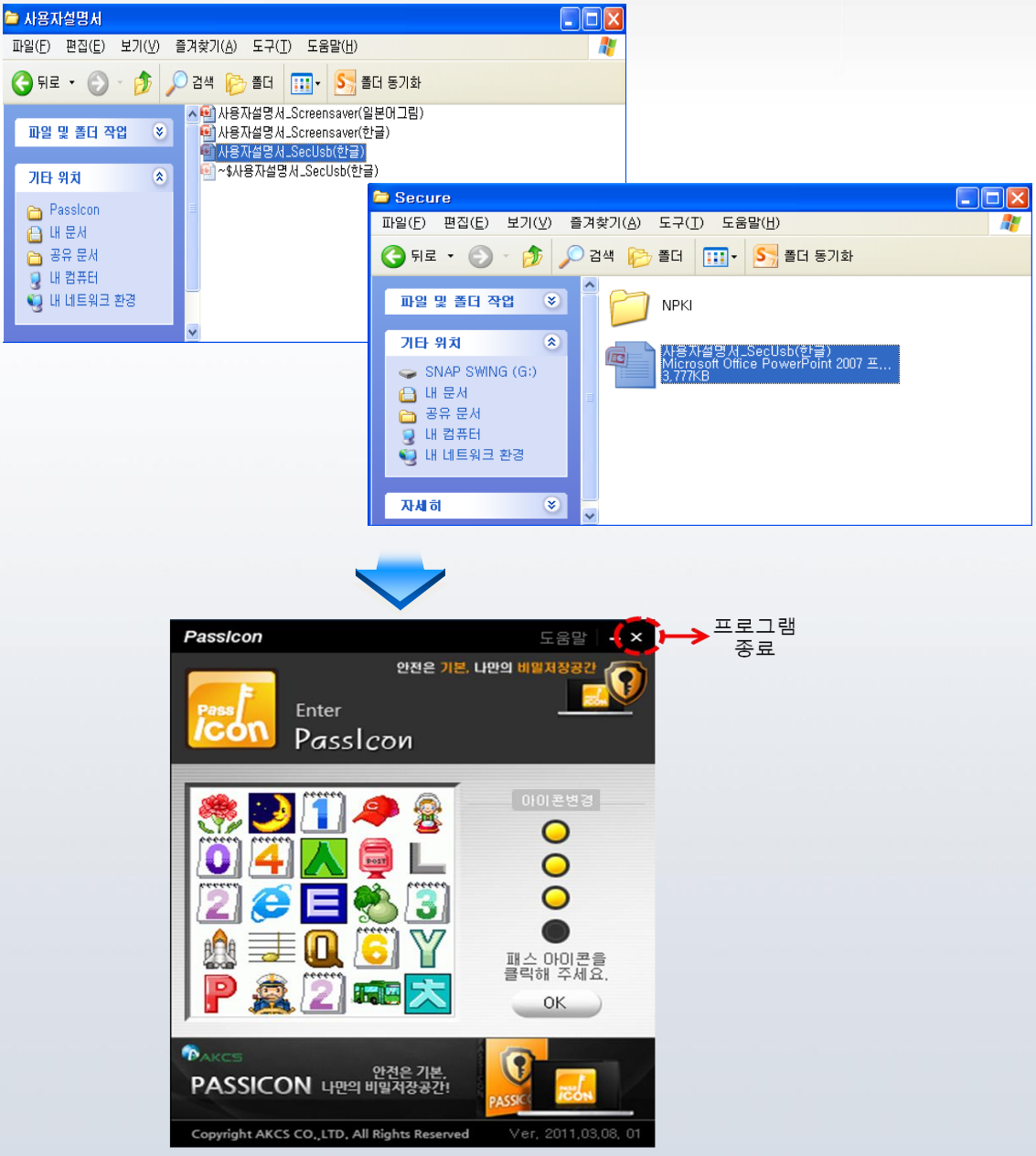
3. When logging in, it is safer to use "move and click" method than clicking right PassIcons.

4. When choosing your phrase, try to avoid well-known phrase like the examples in chapter 1 of this manual

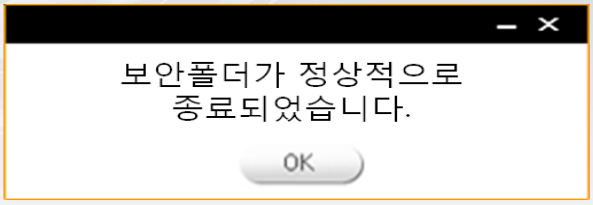
5. If you created your passion according to the rules, next thing is your right habit. you can prevent identity theft with extra attention
when someone is around you, you do not have to enter your PassIcon directly make your own PassIcon creation rule, rather than writing it somewhere

chapter 5 moving and deleting files

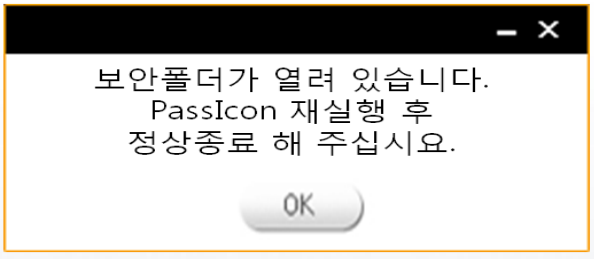
1) You can open your secure folder after successful log-in
2) Move files to secure folder and activate PassIcon SecUsb from icon tray. Click [close] button. PassIcon USB program will shut down with the following message "secure folder is locked normally" (picture 1)



<picture1>



3) if you disconnect your USB from your PC without shutting down PassIcon, you will see the following message, "secure folder is open, rerun PassIcon and terminate normally". In this case, you must connect USB to your PC again then run PassIcon and terminate normally.



4) To see files in secure folder, run PassIcon USB program and log in
5) You can delete files in secure folder after successful log in

chapter 6 customer support and other information

This PassIcon SecUsb product is the next generation personal authentication solution and is patented (number: 10-2011-0009541). It is based on password safety input technology and can perfectly protect your valuable information asset.
We, AKCS is your personal security administrator and we promise to provide you the best security service.

We listen to your every comment and concerns and we are trying our best to protect your personal information.

AKCS PassIcon support website

Visit www.AKCS.co.kr homepage for PassIcon and other product information.

PassIcon customer service: www.PassIcon.com bulletin board
product download : www.PassIcon.com
(PassIcon SecUsb, PassIcon MySafe, PassIcon screensaver)
advertisement inquiry:www.PassIcon.com bulletin board and
email: help@PassIcon.co.kr

other products: PassIcon for corporate - financial, public service, portal site, broadcasting and computer
mobile PassIcon-manufacturer and communication services
etc: bank ATM, door lock

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safety comparison with the original text-based password system

The following table is the comparison with other password system.
It has been proven that PassIcon offers the highest security ratings

항목/비교 Solution	Password 1	Password 2	PassIcon	H/W OTP	H/W 인증토큰
Dictionary Attack	O	O	**X**	X	X
Peeping Attack	O	O	**X**	X	X
Key logger Attack	O	X	**X**	X	X
초기 설비 투자	저	저	**저**	**고**	고
휴대(분실 위험)	X	X	**X**	**O**	O
쿠키 교환 공격	O	X	**X**	**X**	X
트랩(IP 추적)	X	O	**O**	**X**	X
모바일 기기 적용	-	-	**우수**	**부적합**	-
편리성	X	X	**O**	**X**	O

Not listed in this table, network sniffing, phishing/farming, password guessing, memory hacking and password memorization. PassIcon has the highest safety ratings

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Contents

chapter 1- Starting PassIcon Screensaver **4**

viewing manual from installed PassIcon screensaver 5

system requirements 5

customer support 5

PassIcon introduction 6

PassIcon logic and characteristics 7

chapter 2- PassIcon Screensaver installation **8**

installing PassIcon Screensaver 8

PassIcon Screensaver latest version update 10

Uninstalling PassIcon Screensaver 11

Chapter 3 – PassIcon Screensaver setup **12**

How to set up 12

chapter 4- PassIcon Screensaver execution **13**

how to activate PassIcon Screensaver 13

how to deactivate PassIcon Screensaver 14

chapter 5- changing PassIcon **16**

PassIcon changing process 16

points to consider when changing PassIcon 17

chapter 6 - customer support and other information **18**

AKCS PassIcon customer service website 18

comparison statistics 19

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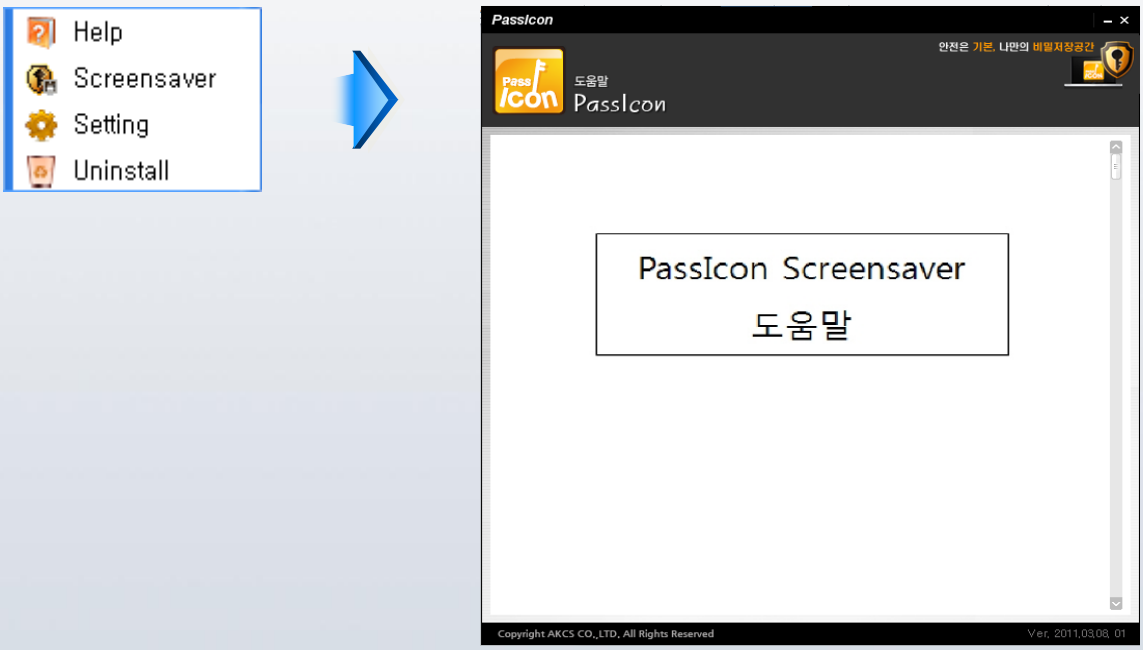
Viewing manual from installed PassIcon screensaver

it was set up for the users to view manuals easily from their PC or laptop which PassIcon Screensaver is installed on.

Start → all programs → AKCS PassIcon → Screensaver. Select [help]. You will see below picture



To read the contents, use page scroll.

System requirement

system requirement for PassIcon screensaver

- operating system: windows XP, vista, 7 (32/64 bit)
- hard disk space: at least 10MB of free space
- memory: minimum 512MB

program execution speed may differ depending on your system.

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Users click assigned icons in order.

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when feel unsafe, move some distance from the assigned PassIcon and click in order (apply same distance rule for every icons)

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when others try to log in using users previous coordinates, it is not possible to do so because every time the icon map is shuffled. It is safe from key stroke hacking since PassIcon uses mouse clicks.

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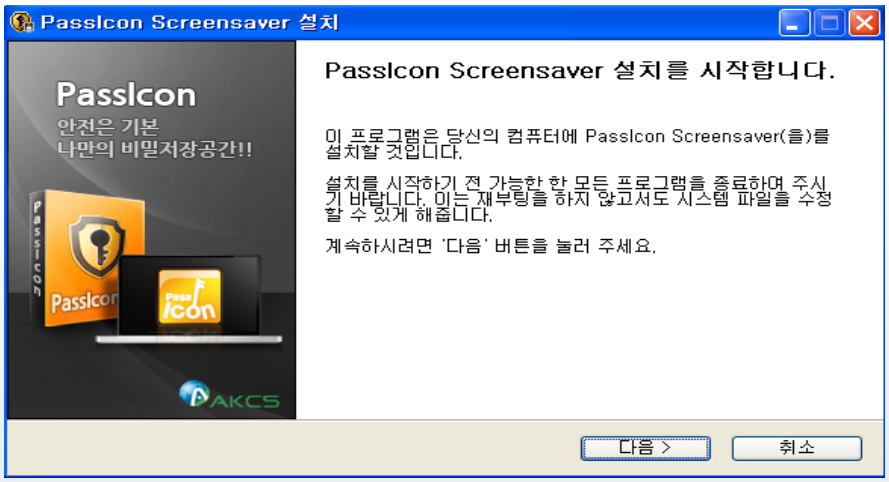
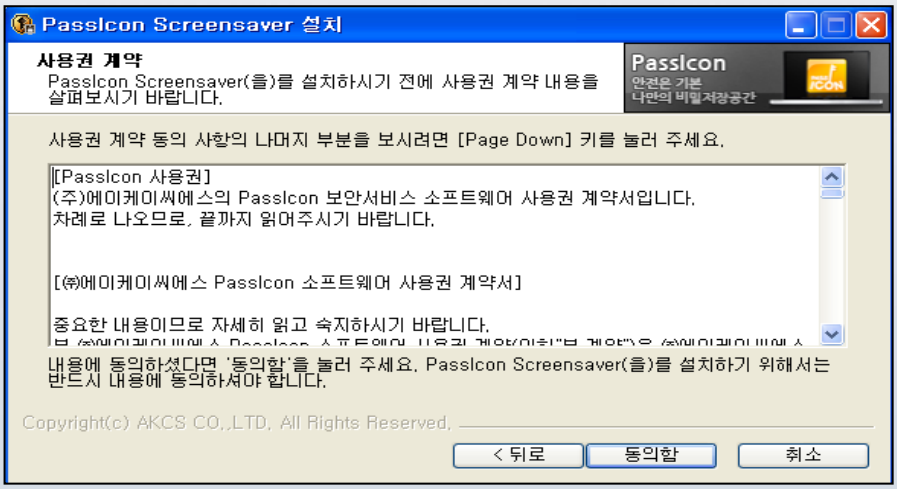
First, close all other program before installing PassIcon Screensaver

PassIcon Screensaver installation

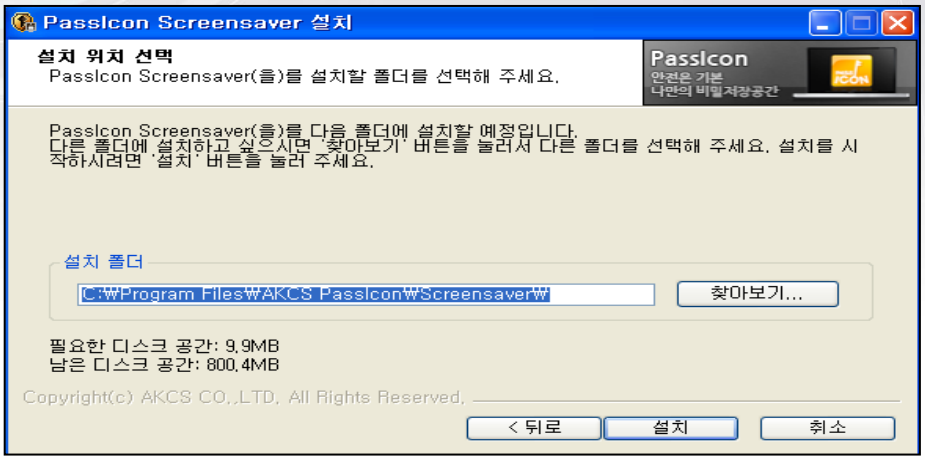
Run installation file and click [next] when you see this installation wizard



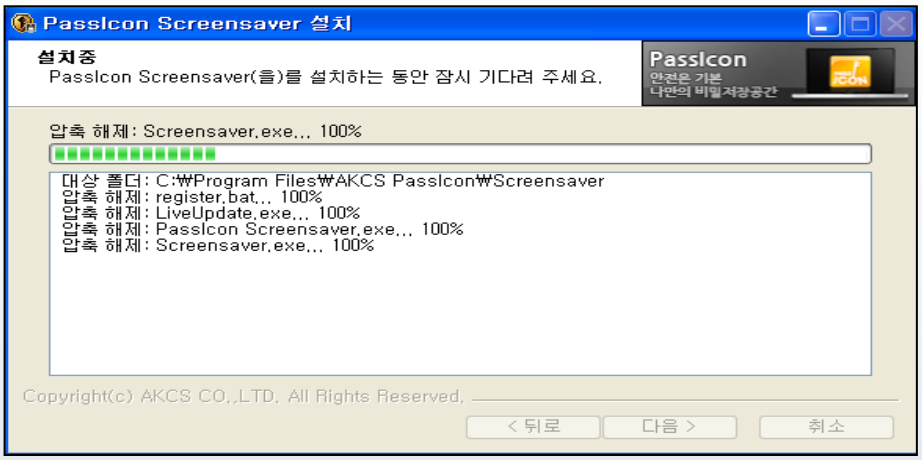
click [agree] button after you read the documentation



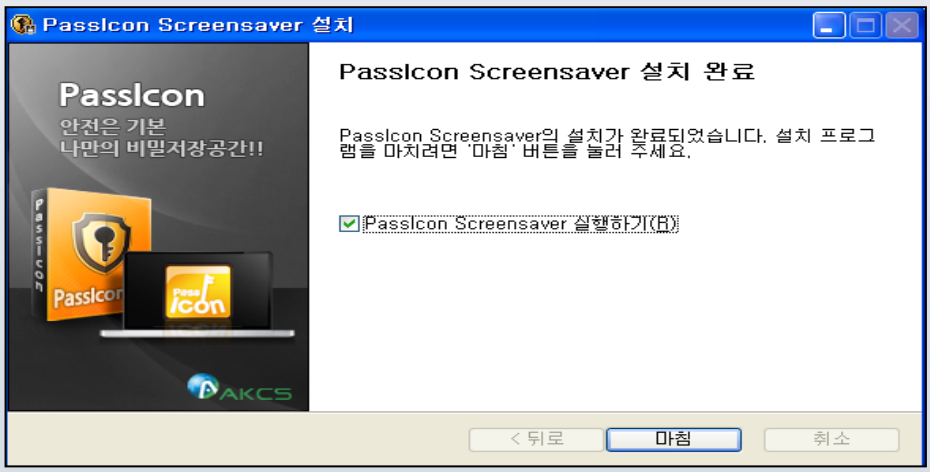
When you finish selecting installation folder, the installation preparation process is done. (We recommend that you use the default installation folder). Click [install] to begin installation.



Files will be uncompressed and PassIcon screensaver will be installed on selected folder.



When finished installing, click [done], and run PassIcon screensaver.



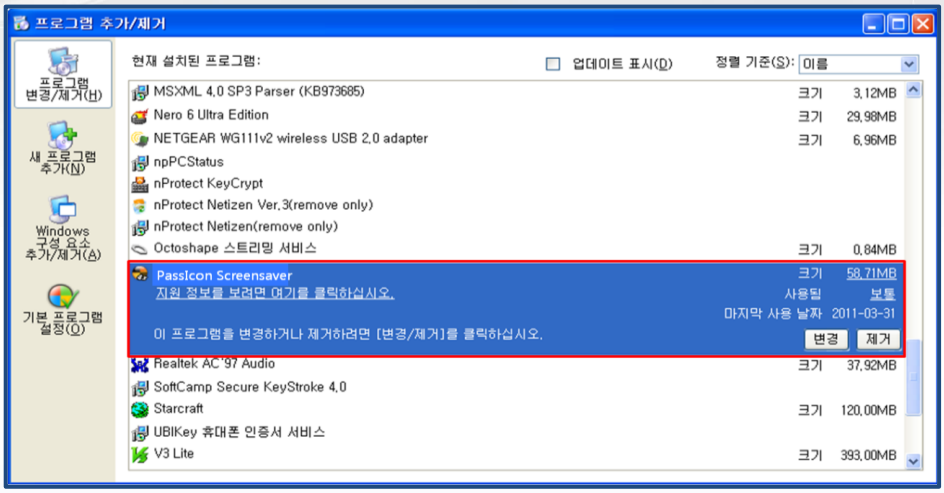
PassIcon screensaver latest version update.

PassIcon screensaver product releases new versions regularly to maintain optimal performance and improved functionality. To update the product, click [yes] button as shown in below picture

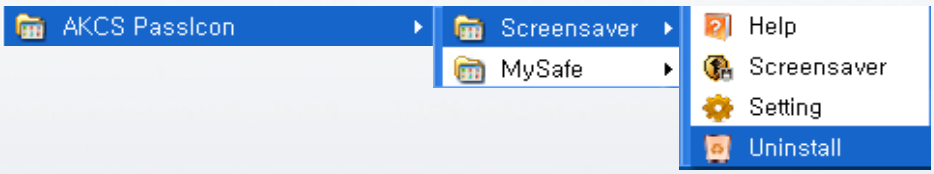
if your computer is connected to the internet, the update will be processed as shown in below picture. When done, click [ok].

uninstalling PassIcon screensaver

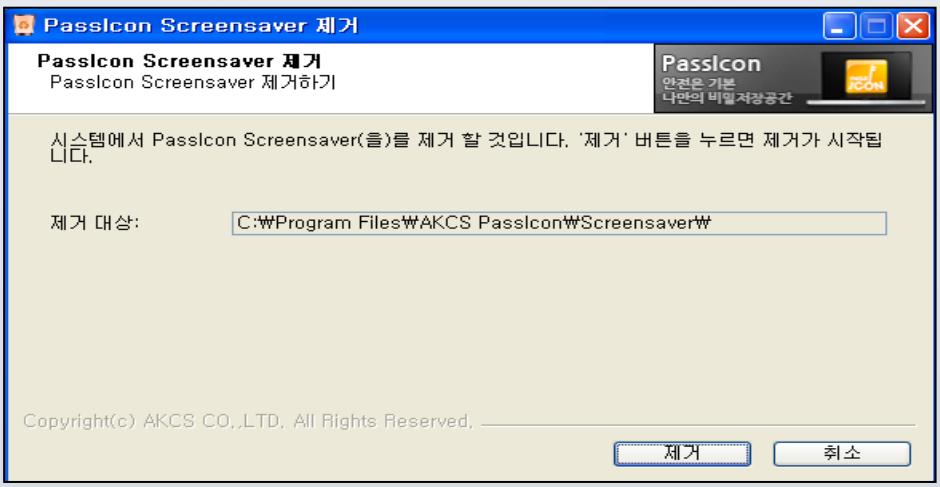
if you want to uninstall PassIcon screensaver, go to windows control panel, click add/remove programs, then search PassIcon screensaver from the program list, click [remove] button.


프로그램 추가/제거
프로그램 변경/제거(H)
새 프로그램 추가(N)
Windows 구성 요소 추가/제거(A)
기본 프로그램 설정(D)
현재 설치된 프로그램:
업데이트 표시(D)
정렬 기준(S): 이름
MSXML 4.0 SP3 Parser (KB973685) 크기 3.12MB
Nero 6 Ultra Edition 크기 29.98MB
NETGEAR WG111v2 wireless USB 2.0 adapter 크기 6.96MB
npPCStatus
nProtect KeyCrypt
nProtect Netizen Ver.3(remove only)
nProtect Netizen(remove only)
Octoshape 스트리밍 서비스 크기 0.84MB
PassIcon Screensaver 크기 58.71MB
지원 정보를 보려면 여기를 클릭하십시오. 사용됨 보통
마지막 사용 날짜 2011-03-31
이 프로그램을 변경하거나 제거하려면 [변경/제거]를 클릭하십시오. 변경 제거
Realtek AC'97 Audio 크기 37.92MB
SoftCamp Secure KeyStroke 4.0
Starcraft 크기 120.00MB
UBIKey 휴대폰 인증서 서비스
V3 Lite 크기 393.00MB

Click [done] button to finish un-installation process.



Alternatively, you can click windows [start] button, and find AKCS PassIcon, click [uninstall] as shown in below picture.



chapter 3 PassIcon screensaver settings

In this chapter 3, users can find how to configure PassIcon Screensaver setting after installation.
When you run settings menu from PassIcon Screensaver, you will see windows as shown below.
By default, waiting time is 5 minutes and the PassIcon is 1 2 3 4 (icons).

1. Select screensaver on or off to activate or deactivate screensaver
2. When you choose the default setting, the waiting time is 5 minutes and PassIcon Screensaver will be activated after 5 minutes of inactivity.
3. If you want to customize the waiting time, enter minutes of your choice.
4. When you finish setting up the program, click [ok] to save the change. If you did not click [ok] button and close the program, changes will not be saved.
5. When you run PassIcon Screensaver for the first time, the password is set to 1 2 3 4 (icons). If you want to change PassIcon, click [change icons] as shown in picture. For more information on how to change PassIcons, see "chapter 5 changing PassIcon:" for detail

chapter 4 running PassIcon screensaver

how to run PassIcon screensaver

PassIcon screensaver can be run in the following way

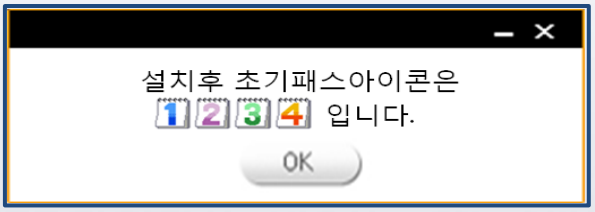
1. PassIcon screensaver will run when there is no activity for the time you set up.
2. Use keyboard (ctrl + alt+ L) to run screensaver
3. Double click PassIcon icon from icons tray.

Your screen will be switched to below picture and 'PassIcon is running' message is shown

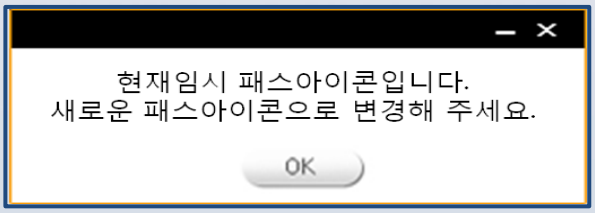
how to deactivate PassIcon screensaver

When you move your mouse or keyboard, the following screen will be shown.

The default PassIcon is set to 1 2 3 4 (icons). If you do not change the PassIcon, you will see a pop-up message (picture)



This message is shown to remind the user to change PassIcon from the default PassIcon.



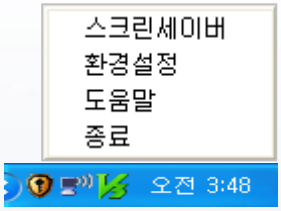
1. Click passkeys from left panel and you will see black buttons from right panel changing to yellow buttons. These buttons are to show your PassIcon entering process.

2. You have to enter 4 PassIcons and only when you correctly entered your PassIcon, you will see [authorized] message.

3. When you did not enter the PassIcon correctly, you will see "login failed, please try again" message.

4. When done authenticating, you will be out of the screensaver automatically

5. PassIcon icon will be shown in icons tray, and it can be activated by double clicking the icon. You can right-click the icon to run the program, change settings, to get help, and turn off.



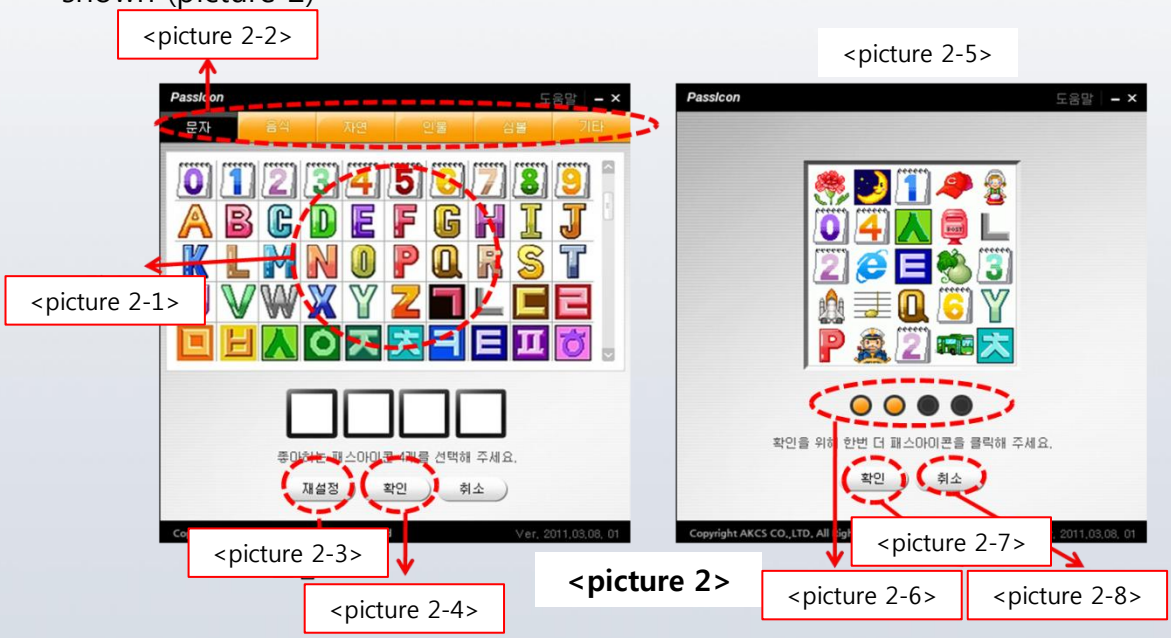
chapter 5 changing PassIcon

Changing PassIcon steps

Icons tray -> settings. Click change PassIcon. (picture1)

<picture 1>

You will be asked to enter your current PassIcon.
When finished entering your current PassIcon, PassIcon change screen will be shown (picture 2)



<picture 2>

1. Select category and icons (picture 2-1, 2-2)
   if you do not see what you want, move scroll bar for more icons

2. If you do not like what you have selected, click [reset] button (picture 2-3)

3. Select new icons and click [ok] (picture 2-4)

4. Confirmation screen will be shown (picture 2-5)
When confirming, icons are not displayed. You can check confirming process by checking yellow buttons (picture 2-6)

5. When finished entering PassIcons, click [ok] button.

6. If you want to cancel, click [cancel] button (picture 2-8)

Points to consider when changing PassIcon

As mentioned in chapter 1 "starting PassIcon SecUsb", first thing to do before creating PassIcon key (password) should be creating your own phrase that is easy to remember. Then you have to mix icons to symbolize the phrase. To create a perfect PassIcon, just like text password environment there are few patterns you should avoid.

Following list is our recommendations and points to consider when creating your PassIcon

1. Create your PassIcon phrase password using numbers, text and images adequately.
Avoid using only numbers and texts.
2. Change your password regularly to avoid possible password leak
it is impossible to hack PassIcon. Here, we mean possibility of leaking your password from memos and from your friends.
3. When logging in, it is safer to use "move and click" method than clicking right PassIcons.
4. When choosing your phrase, try to avoid well-known phrase like the examples in chapter 1 of this manual
5. If you created your passion according to the rules, next thing is your right habit. you can prevent identity theft with extra attention
when someone is around you, you do not have to enter your PassIcon directly make your own PassIcon creation rule, rather than writing it somewhere

chapter 6 customer support and other information

This PassIcon SecUsb product is the next generation personal authentication solution and is patented (number: 10-2011-0009541). It is based on password safety input technology and can perfectly protect your valuable information asset.
We, AKCS is your personal security administrator and we promise to provide you the best security service.

We listen to your every comment and concerns and we are trying our best to protect your personal information.

AKCS PassIcon support website

Visit www.AKCS.co.kr homepage for PassIcon and other product information.

PassIcon customer service: www.PassIcon.com bulletin board
product download : www.PassIcon.com
(PassIcon SecUsb, PassIcon MySafe, PassIcon screensaver)
advertisement inquiry:www.PassIcon.com bulletin board and
email: help@PassIcon.co.kr

other products: PassIcon for corporate - financial, public service, portal site, broadcasting and computer
mobile PassIcon-manufacturer and communication services
etc: bank ATM, door lock

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Information in this document can be updated without notice.

safety comparison with the original text-based password system

The following table is the comparison with other password system.
It has been proven that PassIcon offers the highest security ratings

항목/비교 Solution	Password 1	Password 2	PassIcon	H/W OTP	H/W 인증토큰
Dictionary Attack	O	O	**X**	X	X
Peeping Attack	O	O	**X**	X	X
Key logger Attack	O	X	**X**	X	X
초기 설비 투자	저	저	**저**	**고**	고
휴대(분실 위험)	X	X	**X**	**O**	O
쿠키 교환 공격	O	X	**X**	**X**	X
트랩(IP 추적)	X	O	**O**	**X**	X
모바일 기기 적용	-	-	우수	부적합	-
편리성	X	X	**O**	**X**	O

Not listed in this table, network sniffing, phishing/farming, password guessing, memory hacking and password memorization. PassIcon has the highest safety ratings

AKCS

PassIcon MySafe 1.0.0.1

Windows XP/Vista/7 Software

KolonDigitalTowerBillant 1010, 222-7, Guro 3-dong, Guro-gu, Seoul, Korea
Homepage: www.akcs.co.kr
TEL: 02-2103-5131 FAX: 02-2103-5991

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AKCS PassIcon

powerful and safe authentication system

What is PassIcon?

With the current way to password system, it is easy to figure out someone's password by looking when he/she enters the password. Also, even though entered password is encrypted, it uses network to send its values, enabling hackers to retrieve the password.
To overcome this weakness of traditional password system, PassIcon was developed using graphical password system. PassIcon uses pass-route so the users can feel safe even if someone is watching you entering password. When using mouse pointers, depending on your starting position, users not only can use the assigned icons but also icons around them. Users just have to apply same distance from the assigned icons. Not only that, PassIcon is 100% safe from hacking methods such as sniffing because PassIcon sends only the shuffled coordinates on network.
PassIcon is a stable security solution for both the users and the service providers.

PassIcon is the perfect replacement for personal authentication system.

When users enter their passwords, hackers have no way of knowing it. It is the most efficient and secure system

- not possible to know when peeking
- even someone sees PassIcon map, cannot guess PassIcon key
- cannot hack using keyboard strokes
- even with network sniffing only the meaningless one time coordinates are seen
- entered values are meaningless relational coordinates
- anti-key logger was added to block stealing entered value
- provide random map every time. Thus, it becomes meaningless even stolen.

Contents

chapter 1- Starting PassIcon MySafe **4**

system requirements 4

customer support 4

PassIcon introduction 4

PassIcon logic and characteristics 5

chapter 2- PassIcon MySafe installation **7**

installing PassIcon MySafe 7

PassIcon MySafe latest version update 9

Uninstalling PassIcon MySafe 10

chapter 3- PassIcon MySafe execution **11**

how to activate PassIcon MySafe 11

how to deactivate PassIcon MySafe 12

chapter 4- changing PassIcon **13**

PassIcon changing process 13

points to consider when changing PassIcon 14

chapter 5- moving and deleting files **15**

chapter 6 - customer support and other information **17**

AKCS PassIcon customer service website 17

comparison statistics 18

chapter 1 - Starting PassIcon SecUsb

it is recommended that users read all articles and manual from PassIcon website(www.PassIcon.com) before using AKCS PassIcon SecUsb.

This manual contains functions, installation and un-installation information of AKCS PassIcon SecUsb. It was intended to help PassIcon users.

All program, documentation, and images are AKCS's property. You may not alter, reproduce or resell without the permission from AKCS.

System requirement

system requirement for PassIcon SecUsb

- operating system: windows XP, vista, 7 (32/64 bit)
- Hard disk space: minimum 10MB of free space
- Memory: minimum 512MB

program execution speed may differ depending on your system.

Updates will be done automatically when connected to the internet.

Customer support

f you have any questions or inquiries, use bulletin board from AKCS homepage or contact us to below addresses

homepage:http://www.PassIcon.com
email: help@PassIcon.co.kr
phone:02-2103-5131

PassIcon Introduction

PassIcon is the "21st century password" using "image (graphic) icon" to meet the today's high security standard. PassIcon provides high security and protects from many harmful hacking. It is a new personal authentication solution.

PassIcon logic and characteristics

1. Click PassIcons

Users can use not only the original PassIcon but also moved PassIcons (maintaining same coordinate distance). Only users know the starting and the end points, so it is safe from others watching it. The combination uses 25 icons.

[can be login]

Users click assigned icons in order.

2. Move and click PassIcon

[can be login]

When you feel unsafe, move some distance from the selected PassIcon and click in order (apply same distance rule for every icons)

3. Log in attempt by others

when others try to log in using users previous coordinates, it is not possible to do so because every time the icon map is shuffled. It is safe from key stroke hacking since PassIcon uses mouse clicks.

Non authorized users cannot log in.

4. PassIcon password examples.

	snake loves frogs
	smoking and drinking kills you
	beer and fried chicken are good
	using first letters (Boat Hill Sleep) BHS
	ladies loves jewels

First, create a phrase that you can remember and create safe PassIcon key(password) using number/letter/images. It is important to think of the phrase that is meaningful and memorable and above example shows how to select PassIcon keys

chapter 2, PassIcon MySafe installation

In this chapter 2, users can find information about installation and un-installation.

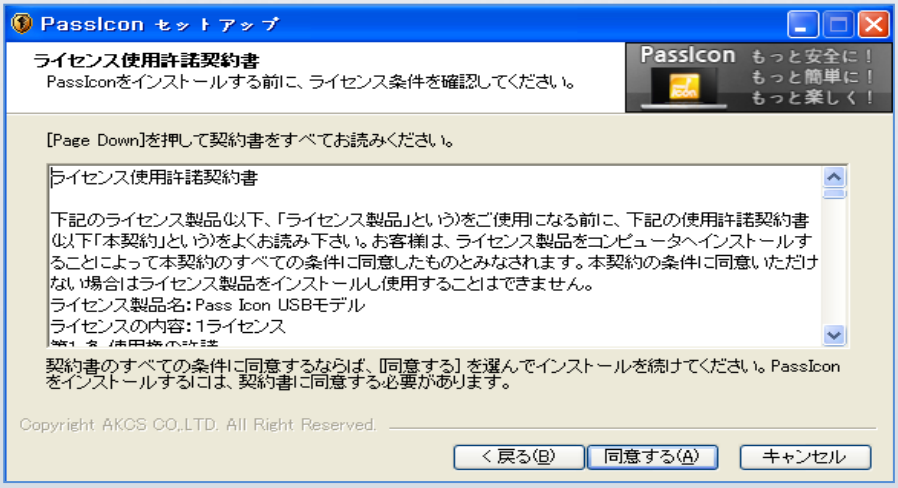
You can download PassIcon MySafe program from www.PassIcon.com

First, close all running programs before installing PassIcon MySafe

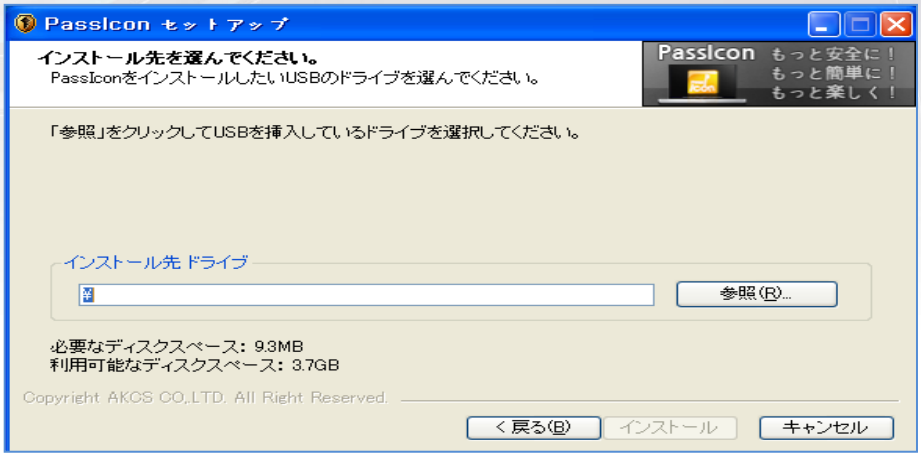
installing PassIcon MySafe

Run set-up file. You will see this installation wizard. Click, [next] button.

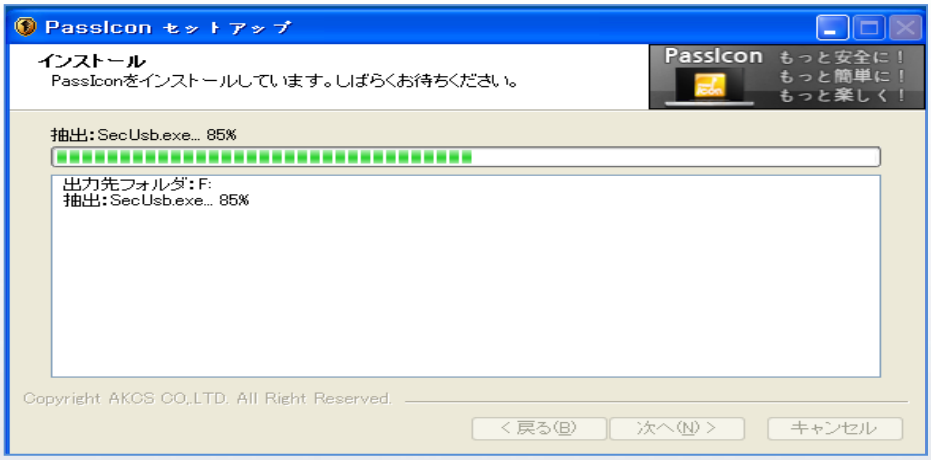
When you finish reading the [terms and services], click [I agree] button.



When you finish selecting installation folder, the installation preparation process is done. (We recommend that you use the default installation folder). Click [install] to begin installation.



Files will be uncompressed and PassIcon MySafe will be installed on selected folder.



When finished installing, click [done], and run PassIcon MySafe.

PassIcon MySafe latest version update.

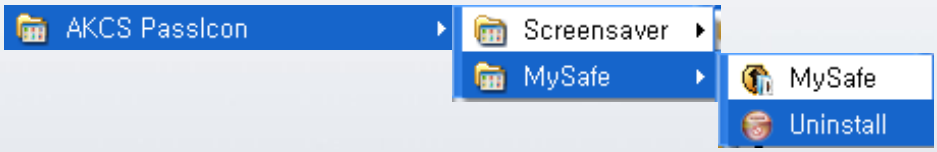
PassIcon MySafe product releases new versions regularly to maintain optimal performance and improved functionality. To update the product, click [yes] button as shown in below picture

if your computer is connected to the internet, the update will be processed as shown in below picture. When done, click [ok].

Uninstalling PassIcon MySafe

If you want to uninstall PassIcon MySafe, go to windows control panel, click add/remove programs, then search PassIcon screensaver from the program list, click [remove] button.

Click [done] button to finish un-installation process.



Alternatively, you can click windows [start] button, and find AKCS PassIcon, click [uninstall] as shown in below picture.

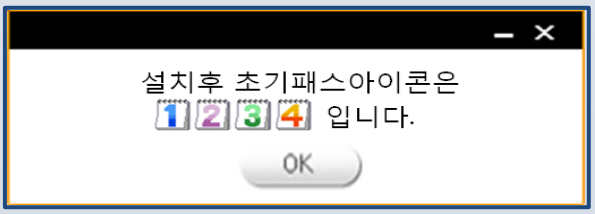
chapter 3 PassIcon MySafe execution

how to run PassIcon MySafe

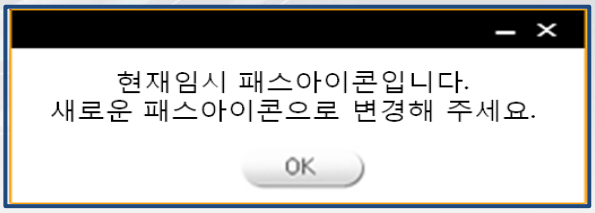
In this chapter 13, users can find information on how to use PassIcon MySafe after installation.

Double click MySafe.exe from the selected installation folder.
Then you will see the main page as shown below.

By default, the password is set to 1234 and if you do not change it, a pop-up message will show (below picture)

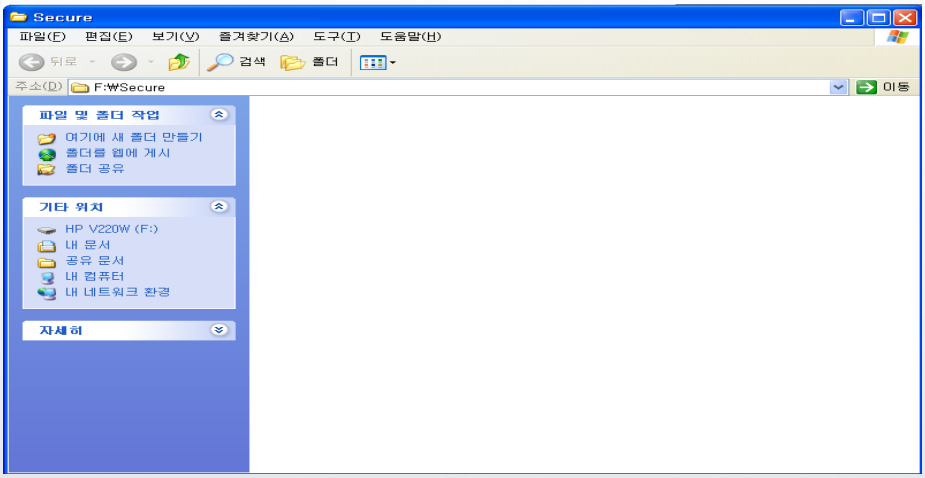


If you do not change PassIcon and keep using the default PassIcon, a pop-up message will show to remind the users to change their PassIcon

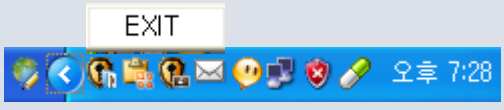


To log-in from PassIcon main page

1) Select PassIcon from left panel, then you can see how many icons are selected from the right panel.
2) Enter correct 4 PassIcons, only when you entered them correctly, you will see " you are authorized " message
3) When failed, PassIcon map will be shuffled, and "login failed. Please try again' message will be shown
4) After successful login, click 'ok'. Then you can open PassIcon secure folder



When minimized, it will be moved to icons tray. Double-click to run PassIcon MySafe program. To close the program, right-click the PassIcon icon from icons tray and select 'EXIT'.



Click 'EXIT' button to close the program.

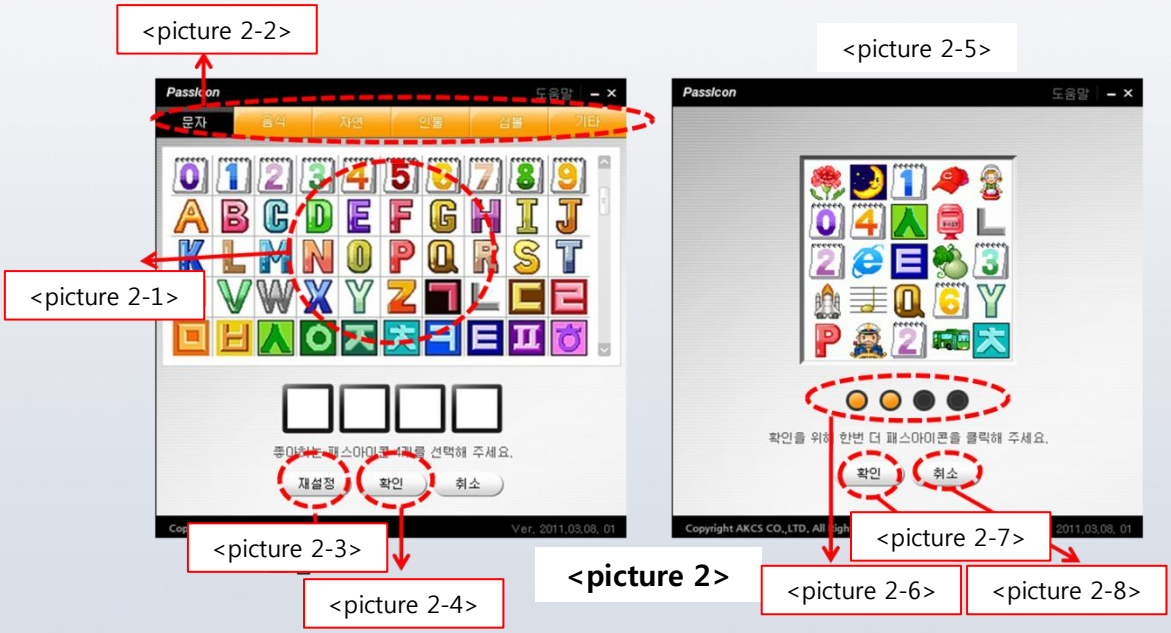
Chapter 4 Changing PassIcon

changing PassIcon step

After successful log in, click [change icons] button from PassIcon SecUsb main screen. <picture1>

<picture 1>

users will see PassIcon change screen like below <picture2>



<picture 2>

1. Choose category and icons (picture 2-1, picture 2-2)
   if your wanted icons is not in the list, move the scroll bar to see more icons.

2. If you do not like what you have chosen, click [reset] button to reset the icons. (Picture 2-3)
3. Choose and click new icons then click [ok] button. (Picture 2-4)
4. Confirm your choice (picture 2-5)
   during confirming screen, you will not see your icons and when you enter your icons, the color will change.
5. Finish PassIcon change process by clicking [ok] button. (Picture 2-7)
6. You can cancel your change by clicking [cancel] button before confirming (picture 2-8)

Points to consider when changing PassIcon

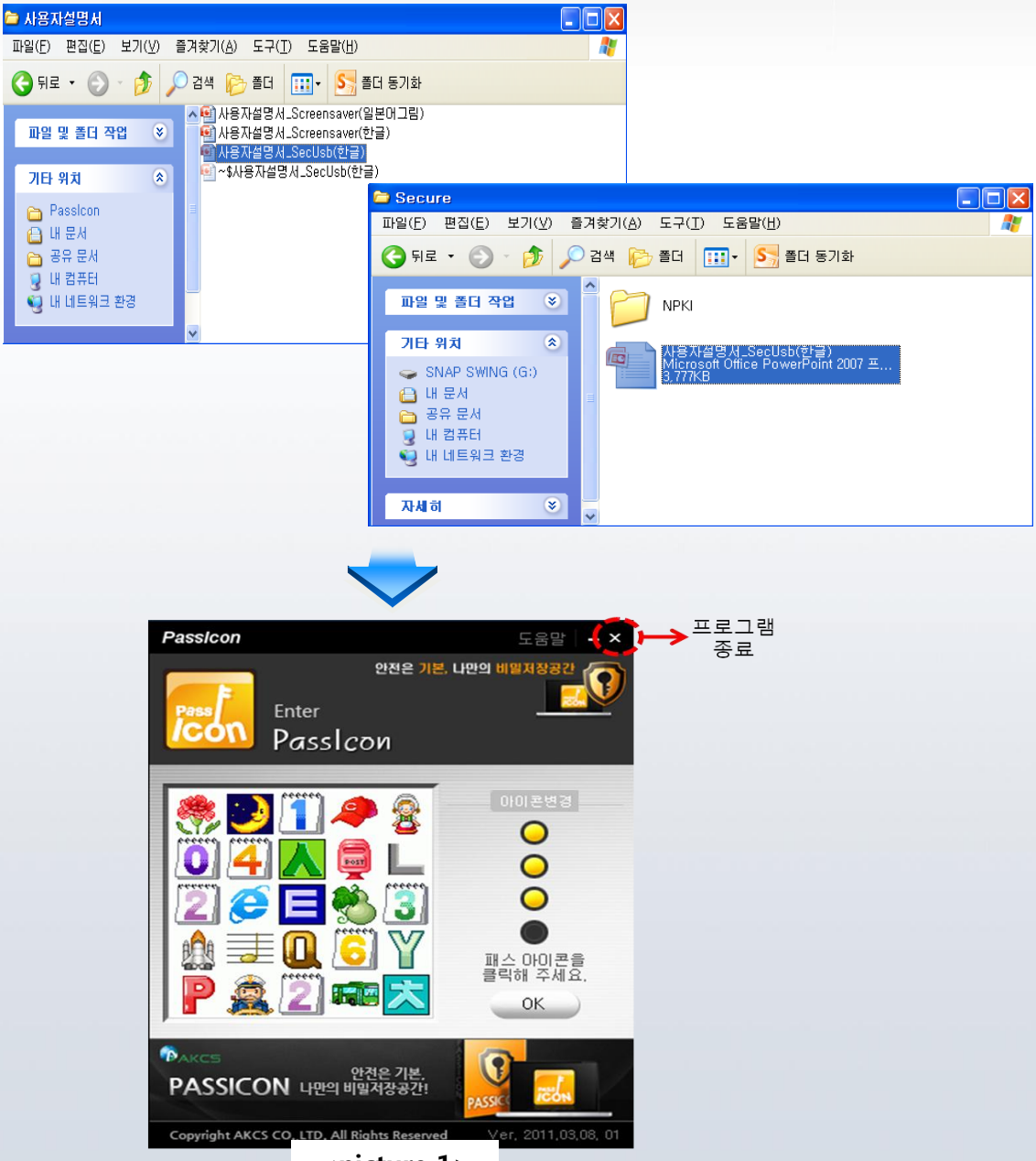
As mentioned in chapter 1 "starting PassIcon SecUsb", first thing to do before creating PassIcon key (password) should be creating your own phrase that is easy to remember. Then you have to mix icons to symbolize the phrase. To create a perfect PassIcon, just like text password environment there are few patterns you should avoid.

Following list is our recommendations and points to consider when creating your PassIcon

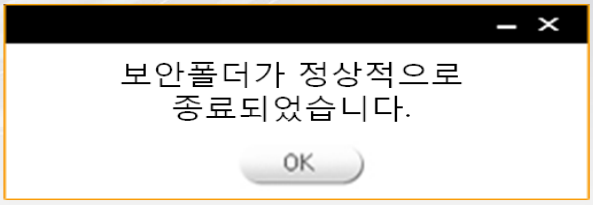
1. Create your PassIcon phrase password using numbers, text and images adequately.
   Avoid using only numbers and texts.
2. Change your password regularly to avoid possible password leak
   it is impossible to hack PassIcon. Here, we mean possibility of leaking your password from memos and from your friends.
3. When logging in, it is safer to use "move and click" method than clicking right PassIcons.
4. When choosing your phrase, try to avoid well-known phrase like the examples in chapter 1 of this manual
5. If you created your passion according to the rules, next thing is your right habit. You can prevent identity theft with extra attention
   when someone is around you, you do not have to enter your PassIcon directly make your own PassIcon creation rule, rather than writing it somewhere

Chapter 15 Moving and deleting files

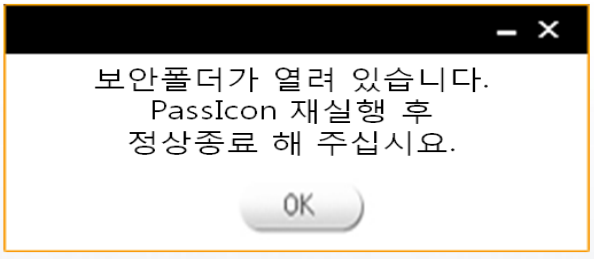
1) after successful authentication, secure passion MySafe folder will be opened
2) move the files to the secure folder, and then activate PassIcon MySafe icons from icon tray, click close button. (Picture 1). The program is terminated normally, and you will see "the secure folder is terminated normally" message.



<picture 1>



3) if you did not close the program, the folder is not secured and a pop-up message will be shown as below. In this case, you must log in again and close the program properly.



4) If you want to access the files in secure folder, you have to pass the authentication process.

5) To delete files in the secure folder, log in the program, and then delete files.

Warning) if you lose your MySafe PassIcon, it cannot be recovered. Even if you uninstall the program and reinstall it, you have to use the previous PassIcon. (But, if you format your pc and reinstall OS, it is possible to use it again)

Chapter 6 customer support and other information

This PassIcon SecUsb product is the next generation personal authentication solution and is patented (number: 10-2011-0009541). It is based on password safety input technology and can perfectly protect your valuable information asset.
We, AKCS is your personal security administrator and we promise to provide you the best security service.

We listen to your every comment and concerns and we are trying our best to protect your personal information.

AKCS PassIcon support website

Visit www.AKCS.co.kr homepage for PassIcon and other product information.

PassIcon customer service: www.PassIcon.com bulletin board
product download : www.PassIcon.com
(PassIcon SecUsb, PassIcon MySafe, PassIcon screensaver)
advertisement inquiry:www.PassIcon.com bulletin board and
email: help@PassIcon.co.kr

other products: PassIcon for corporate - financial, public service, portal site, broadcasting and computer
mobile PassIcon-manufacturer and communication services
etc: bank ATM, door lock

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safety comparison with the original text-based password system

The following table is the comparison with other password system.
It has been proven that PassIcon offers the highest security ratings

항목/비교 Solution	Password 1	Password 2	PassIcon	H/W OTP	H/W 인증토큰
Dictionary Attack	O	O	**X**	X	X
Peeping Attack	O	O	**X**	X	X
Key logger Attack	O	X	**X**	X	X
초기 설비 투자	저	저	**저**	**고**	고
휴대(분실 위험)	X	X	**X**	**O**	O
쿠키 교환 공격	O	X	**X**	**X**	X
트랩(IP 추적)	X	O	**O**	**X**	X
모바일 기기 적용	-	-	우수	부적합	-
편리성	X	X	**O**	**X**	O

Not listed in this table, network sniffing, phishing/farming, password guessing, memory hacking and password memorization. PassIcon has the highest safety ratings